

Amendments to the Drawings

Fig. 2B is amended such that arrow 240 is overlaid by Internet cloud 110, rather than *vice versa*.

Figs. 3 and 4 are amended to add “(Prior Art)” at the top of the figure, in alignment with the description of the figures on p. 11, lines 6 - 9 of the specification.

Fig. 9E is amended to use a colon, rather than an equal sign, following “File_Name” at reference number 930. This amendment aligns the figure with its corresponding text on p. 24, lines 20 - 21.

Thus, it can be seen that no new matter has been introduced.

REMARKS

The Specification and Abstract have been amended. Claims 1 - 4, 8 - 11, 13, 23, 27, 33, 35 - 37, 41 - 42, and 44 - 48 have been amended. Claims 38 - 40 have been cancelled from the application without prejudice. No new matter has been introduced with these amendments, all of which are supported in the specification as originally filed. Claims 1 - 37 and 41 - 48 remain in the application.

I. Objections to the Claims

Page 2 of the Office Action dated March 28, 2005 (hereinafter, "the Office Action") states that Claims 2 and 13 are objected to because of informalities. Appropriate correction has been made herein, and the Examiner is respectfully requested to withdraw the objection.

II. Objection to the Drawings / Proposed Replacement Drawings

Page 2 of the Office Action further states that Figs. 3 and 4 are objected to by the Examiner. Proposed replacement drawings are submitted herewith, as discussed above in "Amendments to the Drawings". In addition, proposed replacement drawings are submitted herewith for Figs. 2B and 9E, as also discussed above. No new matter is introduced with the replacement drawings. The Examiner is respectfully requested to withdraw this objection.

III. Rejection under 35 U.S.C. §103

Page 4 of the Office Action states that Claims 1 - 41 and 44 - 48 are rejected under 35 U.S.C. §103(a) as being unpatentable over Applicants' admitted prior art in view of U. S. Patent

Publication Nbr. 2003/0041093 to Yamane, et al. Page 37 of the Office Action states that Claims 42 - 43 are rejected under 35 U.S.C. §103(a) as being unpatentable over Applicants' admitted prior art and Yamane and further in view of U. S. Patent Nbr. 6,023,506 to Ote, et al. Claims 38 - 40 have been cancelled from the application without prejudice, rendering the rejection moot as to those claims. The rejections are respectfully traversed with regard to remaining Claims 1 - 37 and 41 - 48.

Yamane teaches sending URL lists to cache servers to identify changed content. See, for example, lines 4 - 10 of the Abstract, stating that "a computer, such as a cache server, [is notified] of content changes ... in a modification list comprising uniform resource locators" (emphasis added). See also paragraph 0009, lines 1 - 8, and paragraph 0010, lines 7 - 11, again referring to creating a list of URLs that identifies changed files, and transmitting this list of URLs to a cache server. (See also Claim 1, element (b); Claim 2; Claim 12, referring to a "first modification list" and a "second modification list comprising uniform resource locators"; and Claim 13.)

Lines 19 - 27 of Yamane's Abstract discuss another embodiment, where the modification list is sent as URLs to a computer (i.e., a computer "such as a cache server") and this list of URLs is also sent to "an agent having access to a destination file system" (which, presumably, is a content management client on a content server). This embodiment is also discussed in paragraph 0011, lines 4 - 9. (See also Claim 15.)

More specifically, Yamane teaches that identifiers of changed files are converted to URL format before notifications are sent to a caching server. See the following discussions:

- paragraph 0091, lines 5 - 6 ("A caching server is also notified ... of the changes.");
- paragraph 0092, lines 4 - 6 ("... the notification ... includes converting the change list to Uniform Resource Locators ... to identify content" and lines 11 - 14 ("When providing changes to a caching server, it is useful to convert the change list that lists files ... into a format that includes the URL.")); and
- paragraph 0093, lines 1 - 3 ("Once the list items have been converted into URL format, the list of altered URLs is sent to the caching server") and lines 12 - 15 ("... conversion to URLs ... takes place ...").

Applicants have amended their independent Claims 1, 3, 11, and 45 - 48 to more clearly specify limitations of their claimed invention. In particular, these claims now clarify that a content caching system uses a "uniform resource locator format". Claim 1 further specifies (see lines 14 - 15) that notifications of changed content elements identify those content elements using a "directory structure format". (By contrast, Yamane teaches that the notifications to the caching system are specified as URLs, as noted above.) The independent claims further specify that the mappings are "between a directory structure format ... and the uniform resource locator format" (see lines 6 - 7 of Claim 1, lines 3 - 5 of Claim 3, and so forth), and that content elements received at a content caching system "are identifiable to the content caching system using the uniform resource locator format [but/and] also have associated therewith identifiers in the directory structure format" (see lines 8 - 10 of Claim 1, lines 7 - 9 of Claim 3, and so forth).

The approach claimed in Applicants' independent Claims 1, 3, 11, and 45 - 58 is therefore patentably distinct from Yamane (and/or a combination of Yamane with Applicants' admitted prior art). Dependent Claims 2, 4 - 10, 12 - 37, and 41 - 44 are therefore deemed patentable over the references by virtue of (at least) the allowability of the independent claims from which they depend. The Examiner is therefore respectfully requested to withdraw the §103 rejection of all remaining claims.

IV. Conclusion

Applicant respectfully requests reconsideration of the pending rejected claims, withdrawal of all presently outstanding objections and rejections, and allowance of all remaining claims at an early date.

Respectfully submitted,



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Attachments: Replacement Sheets (4)

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